



### **Overview**

- Based on the Identification Protocol (ident).
- Protocol allows a request to be made for a specific TCP connection based on the IP addresses and port numbers.
- Implemented on OpenBSD, Solaris, and Linux.



### **Forensics**

- User- and Application-level state data is saved for the process with the requested TCP socket open.
- The server resolves pipes and sockets to identify entire process structure.



## Traceback

- Attackers commonly use a series of hosts before they attack a system to hide their identity, a Connection Chain.
- The protocol traces connection chains by sending traceback requests to the previous host.
- Correlates inbound and outbound TCP sockets by analyzing process structure.



# Logging

- The protocol compensates for the lack of socket and application logging on many UNIX systems.
- Session requests can be sent by a network gateway, to save data for all inbound and outbound connections.



## Privacy

- All responses contain a random token (never the username as ident did).
- User- and application-level data is not revealed until the token is returned to the local administrator.